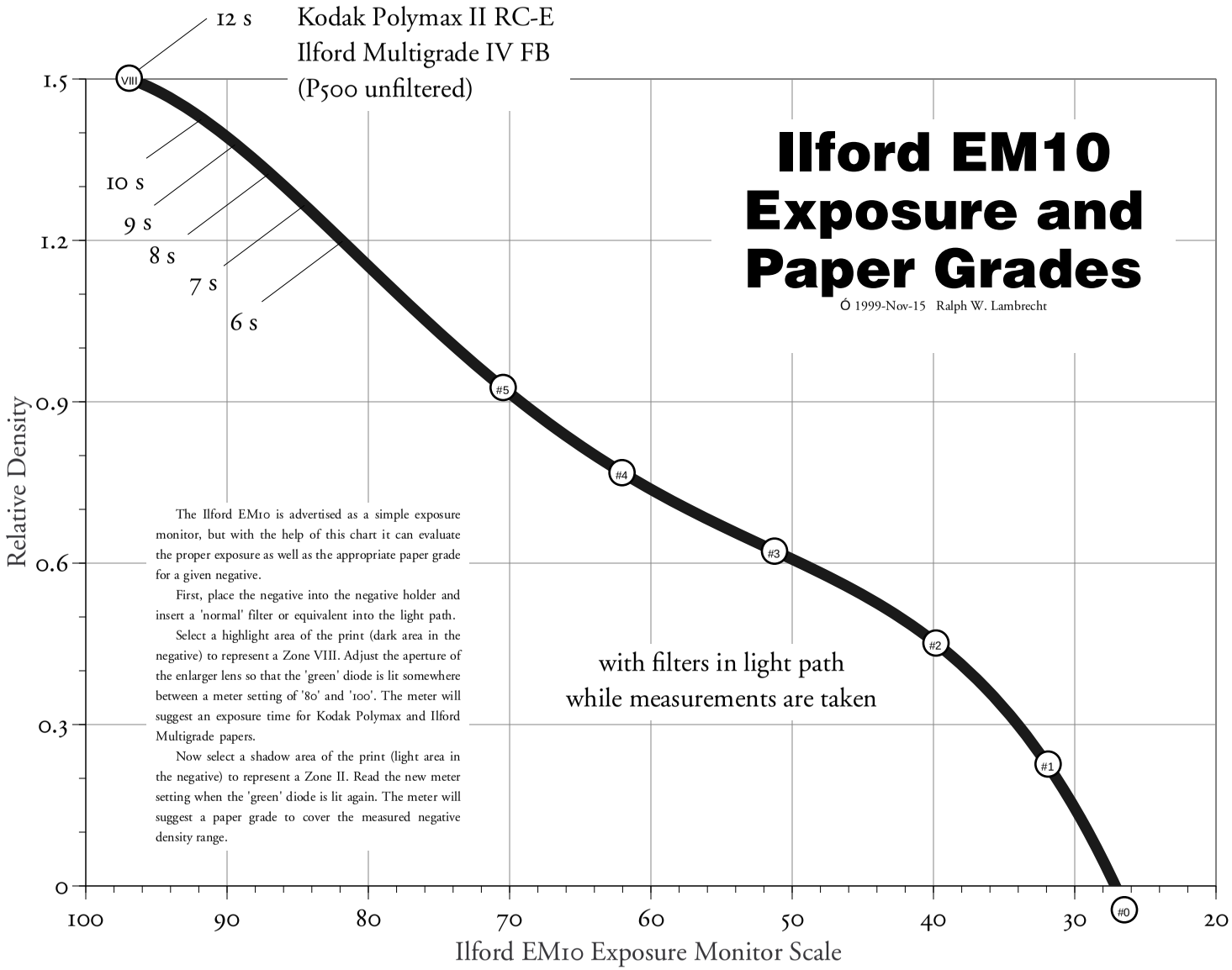
Kodak Polymax II RC-E
Ilford Multigrade IV FB
(P500 unfiltered)
12 s
10 s
9 s
8 s
7 s
6 s
VIII
#5
#4
#3
#2
#1
#0
Ilford EM10
Exposure and
Paper Grades
Ó 1999-Nov-15 Ralph W. Lambrecht
The Ilford EM10 is advertised as a simple exposure monitor, but with the help of this chart it can evaluate the proper exposure as well as the appropriate paper grade for a given negative.
First, place the negative into the negative holder and insert a 'normal' filter or equivalent into the light path.
Select a highlight area of the print (dark area in the negative) to represent a Zone VIII. Adjust the aperture of the enlarger lens so that the 'green' diode is lit somewhere between a meter setting of '80' and '100'. The meter will suggest an exposure time for Kodak Polymax and Ilford Multigrade papers.
Now select a shadow area of the print (light area in the negative) to represent a Zone II. Read the new meter setting when the 'green' diode is lit again. The meter will suggest a paper grade to cover the measured negative density range.
with filters in light path
while measurements are taken
Relative Density
1.5
1.2
0.9
0.6
0.3
0
100
90
80
70
60
50
40
30
20
Ilford EM10 Exposure Monitor Scale